Automation using Python

Automation script which accept directory name from user and display all names of files from that directory.

```python
1  from sys import *
2  import os
3
4  def DirectoryWatcher(path):
5
6      flag = os.path.isabs(path)
7      if flag == False:
8          path = os.path.abspath(path)
9
10     exists = os.path.isdir(path)
11
12     if exists:
13         for foldername, subfolder, filname in os.walk(path):
14             print("Current folder is : "+foldername)
15             for subf in subfolder:
16                 print("Sub folder of "+foldername+"is :"+subf)
17             for filen in filname:
18                 print("File inside "+foldername+"is : "+filen)
19             print(' ')
20     else:
21         print("Invalid Path")
23 def main():
24     print("---- Marvellous Infosystems by Piyush Khairnar-----")
25
26     print("Application name : " +argv[0])
27
28     if (len(argv) != 2):
29         print("Error : Invalid number of arguments")
30         exit()
31
32     if (argv[1] == "-h") or (argv[1] == "-H"):
33         print("This Script is used to traverse specific directory")
34         exit()
35
36     if (argv[1] == "-u") or (argv[1] == "-U"):
37         print("usage : ApplicationName AbsolutePath_of_Directory")
38         exit()
39
40     try:
41         DirectoryWatcher(argv[1])
42
43     except ValueError:
44         print("Error : Invalid datatype of input")
45
46     except Exception:
47         print("Error : Invalid input")
48
49 if __name__ == "__main__":
50     main()
51
```

Output of above script

```
Automation — -bash — 51×20
```

```
MacBook-Pro-de-MARVELLOUS:Automation marvellous$ py
thon DirectoryWatcher.py "ABC"
---- Marvellous Infosystems by Piyush Khairnar-----
Application name : DirectoryWatcher.py
Current folder is : /Users/marvellous/Desktop/Autom
ation/ABC
Sub folder of /Users/marvellous/Desktop/Automation/
ABCis :XYZ
File inside /Users/marvellous/Desktop/Automation/AB
Cis : .DS_Store
File inside /Users/marvellous/Desktop/Automation/AB
Cis : DemoABC.txt

Current folder is : /Users/marvellous/Desktop/Autom
ation/ABC/XYZ
Sub folder of /Users/marvellous/Desktop/Automation/
ABC/XYZis :PQR
File inside /Users/marvellous/Desktop/Automation/AB
C/XYZis : .DS_Store
File inside /Users/marvellous/Desktop/Automation/AB
```